

Amended Claims

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1. An access control device comprising means for receiving an input password, means for combining the input password with a pre-selected code thereby to produce a combined password, and means for decrypting encrypted code using the combined password.

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2. An access control device according to claim 1, in which the apparatus further comprises means for encrypting the combined password and the encrypted combined password is used for decryption.

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3. A method of controlling access, which method comprises the steps of receiving an input password, combining the input password with a predetermined code to produce a combined password, and decrypting encrypted code using the combined password.

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4. A method of controlling access according to claim 3, in which the combined password is encrypted and the encrypted combined password is used for decrypting encrypted code.

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5. A method of controlling access according to claim 3, in which the encrypted combined password is a key for decryption of the encrypted code.

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6. A method of controlling access according to claim 3, in which the password is an alphanumeric string.

*Rule  
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<sup>20</sup>  
~~7.~~ A method of controlling access according to claim ~~6~~<sup>19</sup>, in which the code is an alphanumeric string.

<sup>21</sup>  
~~8.~~ A method of controlling access according to claim ~~1~~<sup>14</sup>, in which the pre-stored access password comprises a pre-selected password combined with the predetermined code, which combination is encrypted.

<sup>22</sup>  
~~9.~~ A method of controlling access according to claim ~~8~~<sup>21</sup>, in which the combined pre-selected password is encrypted according to the encryption algorithm used for the combined password.

<sup>23</sup>  
~~10.~~ A method of controlling access according to claim ~~9~~<sup>22</sup>, in which the encryption is substantially irreversible (asymmetric).

<sup>24</sup>  
~~11.~~ A method of controlling access according to claim ~~10~~<sup>23</sup>, in which the encryption algorithm will be a public key algorithm.

<sup>25</sup>  
~~12.~~ A method of controlling access according to claim ~~3~~<sup>16</sup>, in which the pre-stored access password comprises a pre-selected password combined with the predetermined code, which combination is encrypted.

<sup>26</sup>  
~~13.~~ A method of controlling access according to claim ~~12~~<sup>25</sup>, in which the combined pre-selected password is encrypted according to the encryption algorithm used for the combined password.

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<sup>27</sup>  
~~24.~~ A method of controlling access according to claim ~~13~~, in which the encryption is substantially irreversible (asymmetric).

<sup>28</sup>  
~~25.~~ A method of controlling access according to claim ~~15~~, in which the encryption algorithm will be a public key algorithm.

*a2*  
<sup>29</sup>  
~~26.~~ A computer program for carrying out the method of claim ~~3~~.

<sup>30</sup>  
~~27.~~ A carrier comprising a computer program according to claim ~~16~~.

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